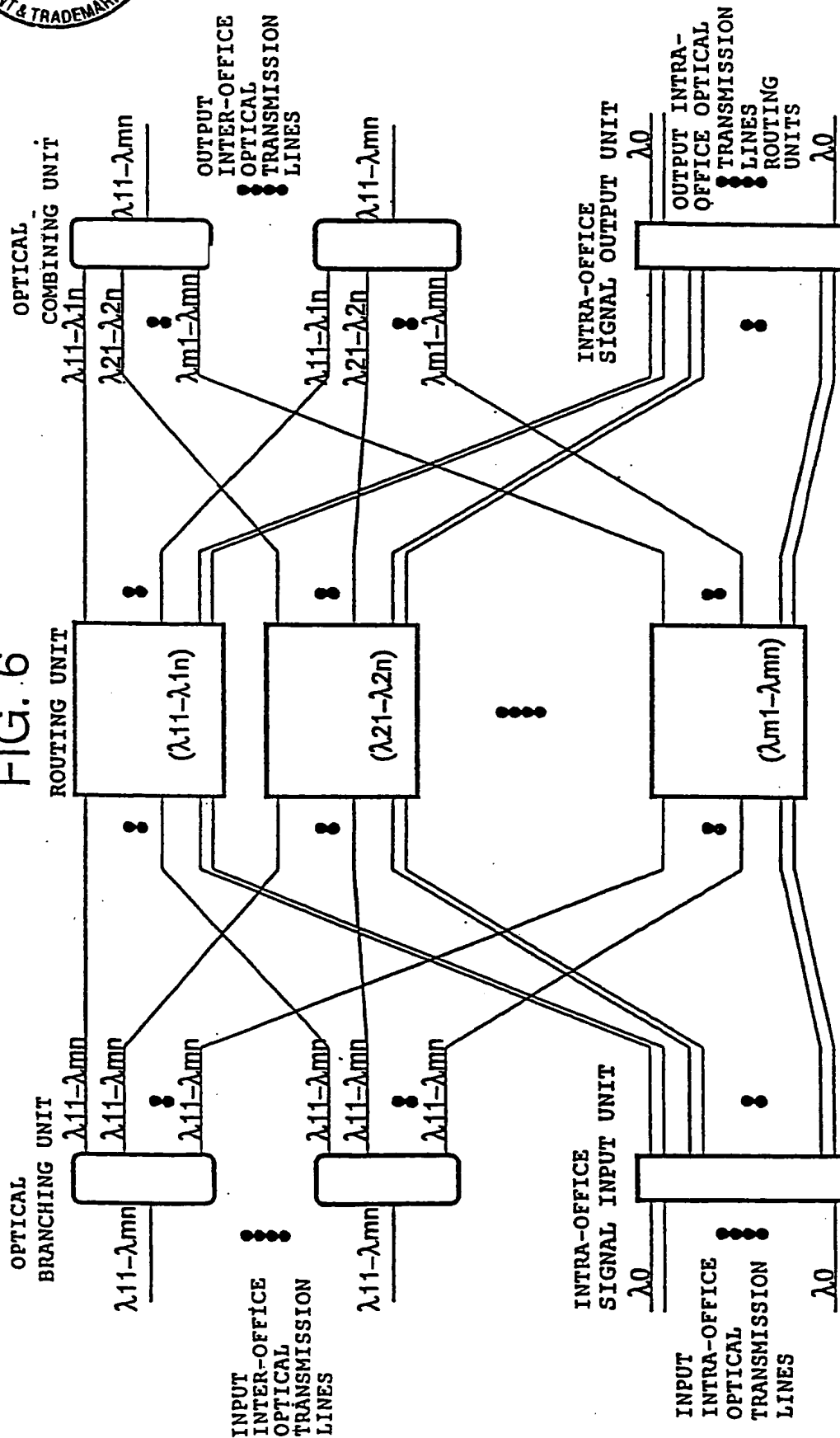




FIG. 6



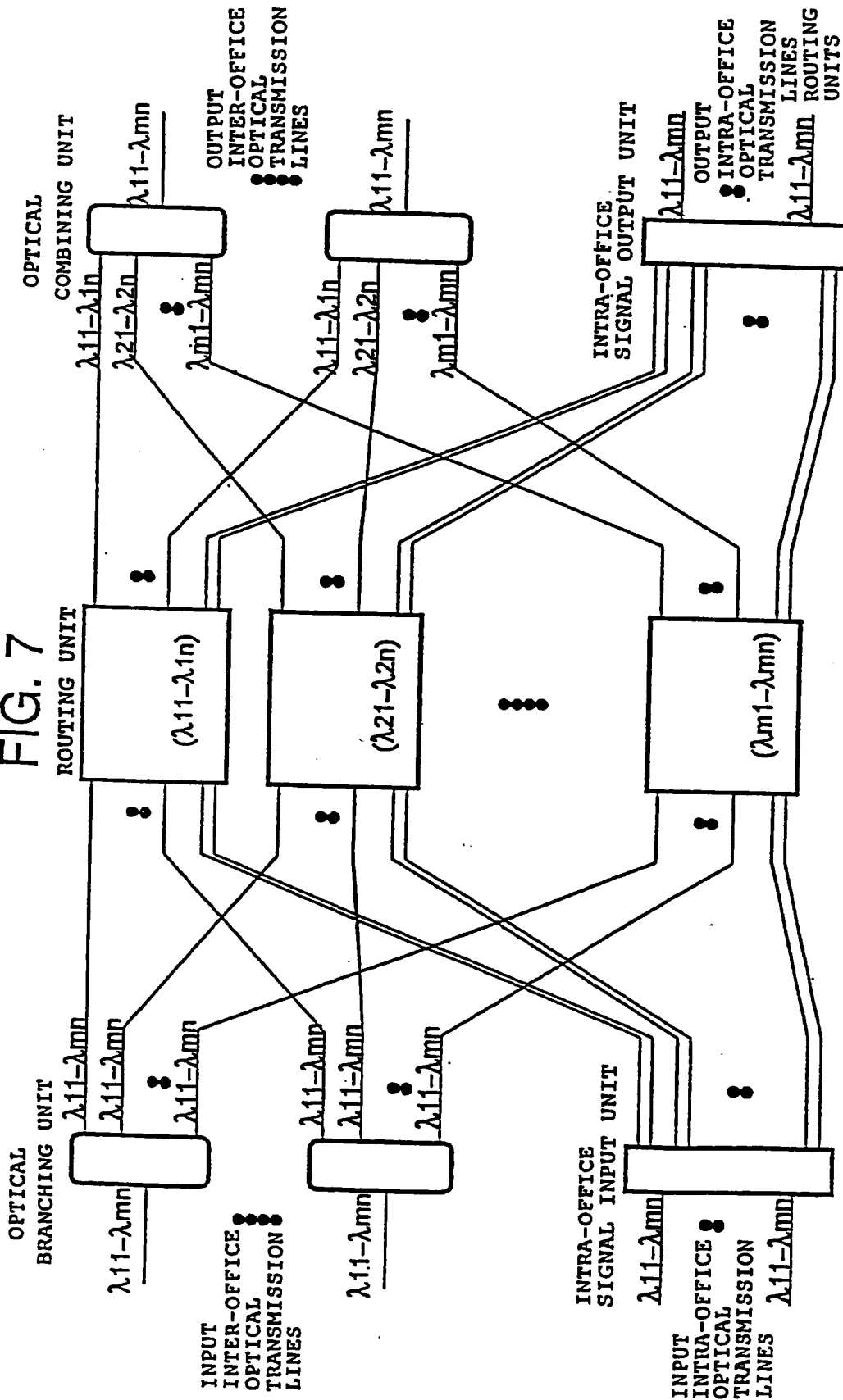
※ SUBDIVIDED INTO "M" PIECES OF ROUTING UNITS

※ IN UNIT OF "N" WAVELENGTHS

※ PROVIDED WITH WAVELENGTH CONVERTER EACH OF THE RESPECTIVE



FIG. 7



※ SUBDIVIDED INTO "M" PIECES OF ROUTING UNITS  
IN UNIT OF "N" WAVELENGTHS

※ PROVIDED WITH WAVELENGTH CONVERTER EACH OF THE RESPECTIVE

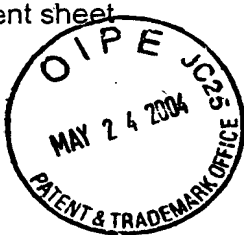
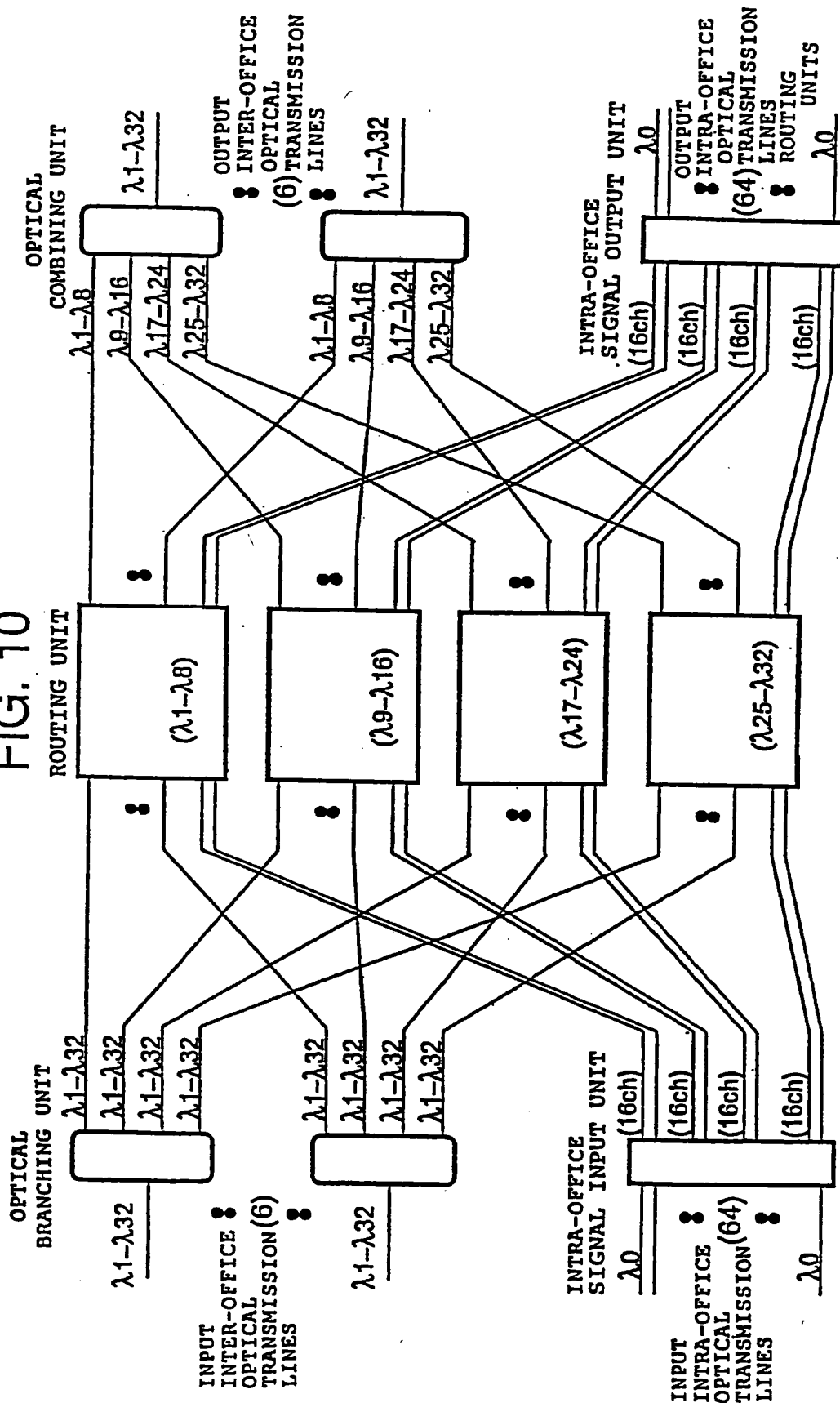


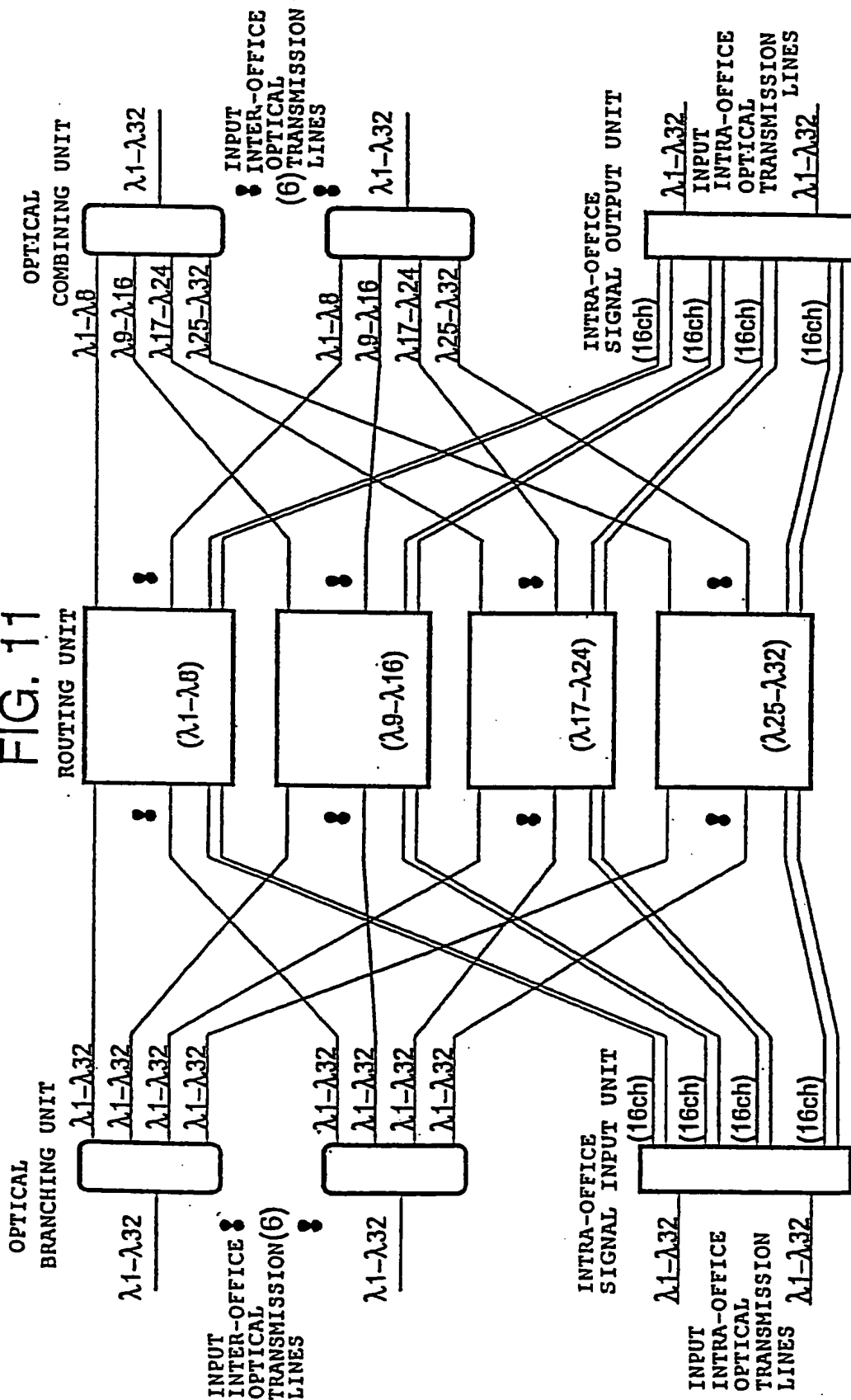
FIG. 10



※ SUBDIVIDED BY 4 PIECES OF ROUTING UNITS IN UNIT OF 8 WAVELENGTHS  
 ※ (WAVELENGTH NUMBER : 32)  
 ※ INTER-OFFICE OPTICAL SIGNAL CHANNEL NUMBER : 192  
 ※ INTRA-OFFICE OPTICAL SIGNAL CHANNEL NUMBER : 64



FIG. 11



SUBDIVIDED BY 4 PIECES OF ROUTING UNITS IN UNIT OF 8 WAVELENGTHS

※ (WAVELENGTH NUMBER : 32)

※ INTER-OFFICE OPTICAL SIGNAL CHANNEL NUMBER : 192

※ INTRA-OFFICE OPTICAL SIGNAL CHANNEL NUMBER : 64

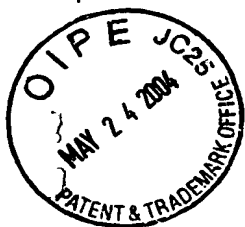
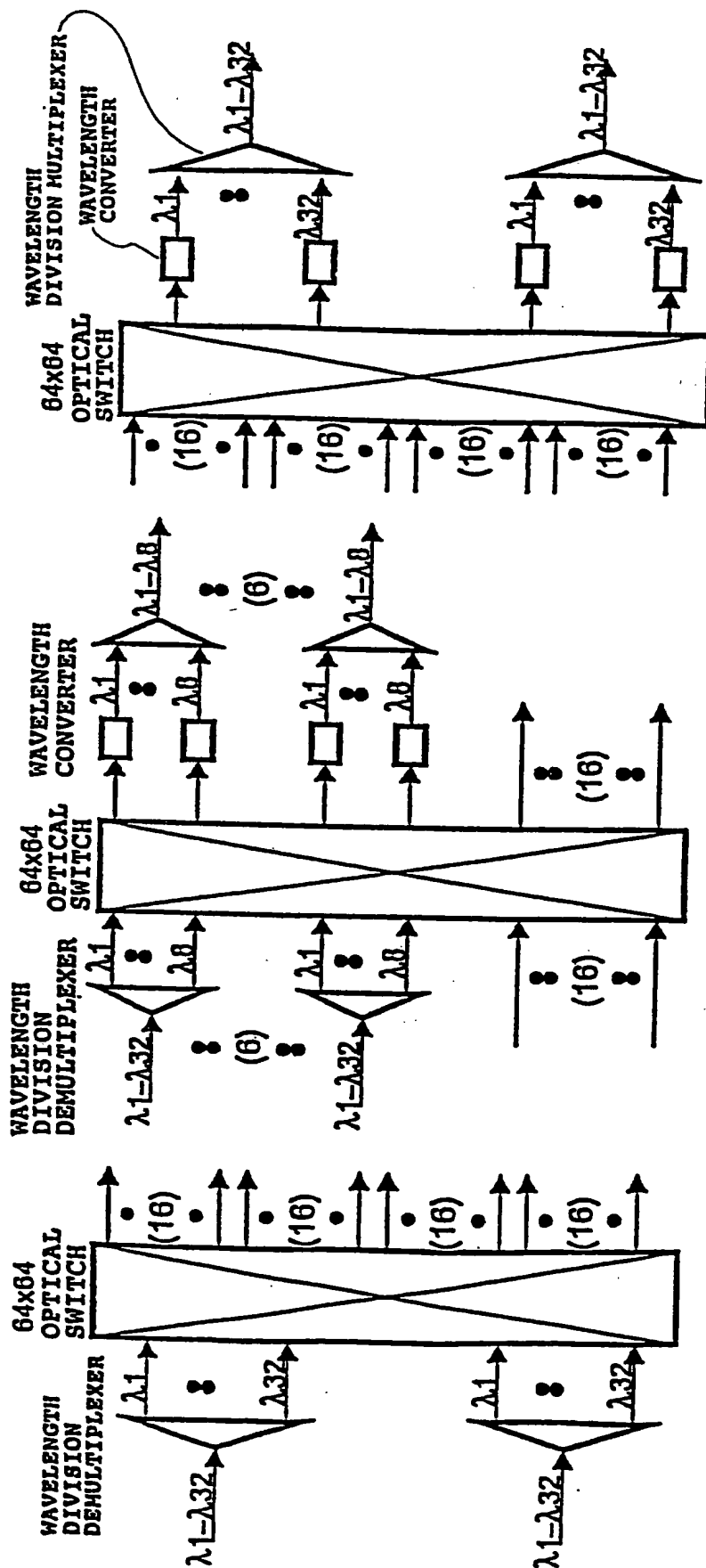


FIG. 15



(a) INTRA-OFFICE SIGNAL  
INPUT UNIT

(b) ROUTING UNIT

(c) INTRA-OFFICE SIGNAL  
OUTPUT UNIT